



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 p.m. in place of the RARS net.
- RARS meets for a monthly dinner on the First Tuesday of each month.

PUBLIC SERVICE

Interested in helping? Visit <http://www.rars.org/public-service.php> frequently for our 2015 ham public service schedule.

RARS General Meeting

Topic: Birthday Party, Awards, RARSfest Update

Date: Tuesday, March 10, 2015

Time: Meeting at 7:30 p.m.

Informal gathering at 7:00

Where: Ridge Road Baptist Church, 2011 Ridge Rd.,
Raleigh

*New HAM / Elmer meeting, 6:00 p.m. before member meeting
Tadd Torborg, KA2DEW, Elmer Coordinator*

**RARSfest 2015
April 4th at the NC State Fairgrounds!**

RARSfest NEEDS YOU

Volunteers are needed for RARSfest 2015. You can sign-up at the March 10, 2015, membership meeting or on-line at:
<http://www.rars.org/rarsfest/helpwanted.html>.

Our 43rd Raleigh ham fest, RARSfest, is coming up on Saturday, April 4th. This is our club's premier fundraising event that helps fund donations made by RARS, and fund all the many amateur related activities in which we participate throughout the year. In order to make RARSfest successful, we need the volunteer help of all our club members for the various activities that make RARSfest the BEST ham fest in North Carolina. Check out how you can help by going to the RARS website (<http://www.rars.org/>) click on VOLUNTEERS and choose which activities you would like to help with.

RARS Officers

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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).



Exciter

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's *Exciter* is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: **Second** Tuesday of each month

Location: Ridge Road Baptist Church

2011 Ridge Road
Raleigh, NC, 27607

Time: People begin arriving at 7 p.m.
The meeting officially begins at
7:30 p.m.

RARS Monthly Dinner

Join us on the **first** Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family. Feel free to bring your little ones! Dinner begins at 6:30 p.m.

Next Dinner at Golden Coral, 6129
Glenwood Avenue, Raleigh 27612.

RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSFest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit www.rars.org for more information.

Message from the President

Tom Lewis, N4TL, is away so we are putting out an abbreviated version of the Exciter this month.

Congratulations to Marty Young W4MY, and his crew for a successful **NC QSO Party**. Joe, WA4GIR, and Liz, KO4CK, White hosted one of the club stations N4RAL. This first class event brings national exposure to RARS. I hope RARS members were able to participate.

Due to the need to cancel the January Member Meeting because of inclement weather, the Board is working on several options to alert the members of club meeting changes using several different modes. The weather has also resulted rescheduling the Board meeting two times.

RARSfest is April 4 – please give a hand if you can.

Program for the March meeting will be the Birthday Party. Please wear your badges or use name tags.

Don't forget to subscribe to RARS-L to get last minute information. Amateur Radio, pass it on.

Murray, K4MHM,

2014-2015 Meeting Topics

Awards, Birthday Party, RARSfest Update.....Mar 10
TBD

The Elecraft KX3 Transceiver.....April 14
Bert Michaud, N4CW

What is EMC and Why It Is Important for Radio Operators.....May 12
Jay Diepenbrock (KM4EP) with input from Dr. Bruce Archambeault

Field Day.....June 9
TBD

World Radiosport Team Championship, July 8-14, 2014 (www.wrtc2014.org & pvrnc.org).....TBD
Nate Morschi, N4YDU President of PVRC-NC.

Titles, topics, and speakers subject to change.

All Seasoned Hams

Quarter Century Wireless Association –The Piedmont NC Chapter 126 will hold its first quarter luncheon meeting March 21, at 10:30am at McCall's BBQ and Seafood Restaurant, Clayton, NC.

The contact information is: [919-550-3877](tel:919-550-3877).

Further details and a link to map and directions are available at: <http://www.mccallsbbq.com/>. there. All MEMBERS and GUESTS are welcome. Wearing a Ham badge is encouraged. Our guest speaker will be Dave Coffey, K4AVC, of Morehead City who will present a program on, "Everything you need to know about operating 60 Meters". More info on our organization is available at: <http://www.qcwa.org> and for the local Piedmont Chapter at <http://www.qsl.net/qcwa126>. Local Raleigh contacts are Chuck, K4HF, Tom, N4TL, Charlie, WA4OSS, Louis, K4BYN and other RARS Members.

Submitted by: Chuck Littlewood, K4HF

Education Director

The current Technician exam preparation course has 34 students including four youth (between 8 and 16). A schedule for 2015 has been developed. Locations are TBA as they become known. **General Course** - May 9, 2015; **Technician Course** - July 11, 2015; **General Course**- August 8, 2015; **Extra Course** - October 10, 2015.

Mike Murphy, WA4BPJ, is the main instructor and Curt Phillips, W4CP, and Bob German, KB4RGC, have stepped up to help him out as additional instructors. Tadd Torborg, KA2DEW, is going to be the Elmer Coordinator and will lead a New Ham/Elmer meeting scheduled for 6:00 p.m., before the member meeting.

Submitted by Murray Merner, K4MHM

Announcement

Our sympathies go to Tom Lewis, N4TL, and his family for the passing of his brother.

Mega DXpeditions Honor Roll

Posted on GDXF Site: Anyone who likes Top 10 lists or even statistics will find something to appreciate in the "[Mega DXpeditions Honor Roll](#)," compiled and posted by Jari Jussila, OH2BU, and Bernd Koch, DF3CB.

At the very least, this resource will help to settle any arguments as to the accomplishments of any DXpedition that logged at least 30,000 contacts.

The German DX Foundation (GDXF) is hosting the Honor Roll, which includes 221 Mega DXpeditions.

Each listing provides a link to details of the DXpedition and QSL card image. Individual links sort the database on various categories, including such statistics as QSOs per day and Top 20 modes.

Ham Public Service

The first Ham Public service event of this season takes place on Sat., March 7th – the Odyssey of the Mind – which takes place this year on the WakeTech Main campus in Raleigh. Upcoming events include: April 4 - CBC Spring Fling bike run in Morrisville and April 11 - Walk MS in Raleigh. Check out upcoming PS events by going to the RARS website (<http://www.rars.org/>) and clicking on the Public Service button on the left side of the page and choose a few events and fill out the easy volunteer form at the top of the Public Service page.

New RARS Members

Alexander Lysenko	KM4IIZ
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March Birthdays

Carl	KJ4WD	03/01
Marty	W4MY	03/02
Barbara	KK4TLY	03/02
Paul	N4YGU	03/02
Scott	KG4QHE	03/03
Walt	K4ZVK	03/05
Sharon	KD4ACK	03/06
Noble	N4UOQ	03/06
Karl	W4CHX	03/06
Adrian	KM4CSH	03/07
Rich	KR4AS	03/08
Jim	WA5APR	03/10
David	KF4VXJ	03/12
Bob	WA4ZZN	03/12
Pam	KK4IPN	03/13
Tom	KJ4ULP	03/14
Larry	K4LXV	03/17
Eddie	WK4I	03/18
Fred	KJ4RGB	03/19
Murray	K4MHM	03/20
Tom	KK4UHH	03/21
Greg	KE4PAX	03/23
Carl	W4HJZ	03/23
Bill	K4HVVH	03/27
Zack	W4ZWA	03/31

RARS Volunteer Examiners

Sessions are scheduled once a quarter at 5:30 p.m. on the member meeting nights on May 12th, August 11th, and November 10th, and also at the RARSfest April 4 and JARSfest. Exams are also conducted in conjunction with the license courses. To find exam sessions got to www.arrl.org and click on "Licensing Education and Training." At "[Find and Exam Session](#)" you can enter your ZIP code and find a session near you. They are a busy team and serve RARS and the ham community with their time and talent.

On February 10, we conducted the regular test session at the meeting location, Ridge Road Baptist Church. It was a busy session. There were 14 persons attending to take the test and we had a 100% success rate -- everyone passed the elements that they came to take. The only failures were folks who took an element beyond what they had studied for, something we encourage since it allows the applicant to see what next higher test is like.

At the end of the evening we had 12 new hams including two that went beyond the Technician test to earn their General Class license. Of the two remaining applicants, one upgraded to General, and the other upgraded to Extra Class. Those upgrading or receiving new licenses are:

Extra: Gary Ashley, KM4DVD;

General: Charles Till, KM4IFO;

Brian Walsh, KM4IFP; Lawrence Yaw, KK4MYW

Technician: Mattie Crowder, KM4IFQ;

Thomas DeVane, KM4IFR; Justin Easter, KM4IFS;

Darren Flynn, KM4IFT; Erech Grunder, KM4IFU;

William Hughs, KM4IIW; William Jenrette,

KM4IFV; John Reynolds, KM4IFW; Steven Scarbel,

KM4IFX; Milton (Dale) Wright, KM4IFY.

Six VEs were present: Frank, N3FRP; Virginia, NC4VA; Dennis, AJ4HK; Mike, KD4MC; Dianne, KE4VNCX and Joe, WA4GIR. This was Mike and Dianne's first VE session. Thanks for helping with this important AR function.

RARSfest 2015 Consignment Table

By CJ Orr, NC4CJ

This warm weather makes me think about spring cleaning. Seriously! And I know that some of you hams have great "stuff" that you are ready to trade for other great "stuff". And I am here to help!

*But first..I need your help selling these good items! I will need eagle eyes to make sure that all items are paid for before they leave the consignment area. Don't be shy..slip on over to the **volunteer** signup at <http://www.rars.org/rarsfest/helpwanted.html>.

Each team leader needs help, but you just jump down to the RARSFest table and sign up for 2 hours with me!*

Okay..to **SELL** your items, all you need to do is decide which treasures you would like to sell, and then let me know some information. There is a very easy way to do this if you are a RARS member!

1. First, go to <http://www.rars.org/only.php>
2. In the center section of the page you will see that the very top link is to RARSFest tables click on the link to <http://www.rars.org/festtables.php>
3. Enter your Call Sign and your Password. If you have forgotten your Password, click "Get Password", to have your password emailed to you and you will be back in business lickity split!
4. The top section of the page is your data about you. Update if you need to, and then move down to the details about your items.
5. Select Verify to quickly review your item 6, if you like it, click the submit button.

NOTE: The opportunity to submit your items electronically ends at 5:00 PM on Thursday, April 2, 2015. If you need help with the submissions, please let me know ASAP so that I can assist you.

2015 Hamfests & Conventions

Charlotte Hamfest | Mar. 12/14

Location: Charlotte, NC

Website: <http://www.charlottehamfest.org>

North Carolina State Convention (43rd Annual RARSFest) | Apr. 4

Location: Raleigh, NC

Website: <http://www.rars.org/rarsfest>

Blue Ridge ARS's 56th Annual Hamfest | May 2

Location: Spartanburg, SC

Website: <http://brars.org>

Roanoke Division Convention (Shelby Hamfest) | Sept. 5

Location: Shelby, NC

Website: <http://shelbyhamfest.org>

There is more information at this website.

http://www.arrl.org/hamfests/search/Location.division_id:RK

NC QSO Party

**Congratulations to Marty W4MY
and crew for a successful 2015 event.**

<http://www.rars.org/ncqsoparty/index.php>

Are You a Contester?

**Visit the ARRL's Contest Calendar
for a listing of upcoming contests.**

Minutes

Board of Directors Meeting *Raleigh Amateur Radio Society* *January 20, 2015*

Present: Bob K4YXM, Chuck K4HF, Tom N4TL, Joanne AK4RJ, Bill AK4BL, Murray K4MHM, Charles KM4AMT, Karl W4CHX, Marty W4MY, Raymond KK4OOQ, Greg KE4PAX

Guests:

1. Call to order (Murray K4MHM): The meeting was called to order at 7:05 pm. There was a quorum present.
2. Approval of minutes (Murray K4MHM): The minutes of the November meeting were approved.
3. Vice President's report (Tom N4TL): The January presentation will be scheduled for later in the year.
4. Treasurer's report (Greg KE4PAX): Greg reported that RARS has 341 members. There was a review of the budget and we are on target. If anyone has questions regarding the clubs financial status, they should contact Greg KE4PAX or Murray K4MHM directly. Greg reported that there is a web site, <http://www.guidestar.org/>, which provides details on nonprofits. Potential donors can obtain information about RARS via this site, as well as make donations. There is also a link for individuals to write personal reviews of RARS. Greg updates the GuideStar information as needed - <http://www.guidestar.org/organizations/56-2148098/raleigh-amateur-radio-society.aspx>.
5. Secretary's report (Bob K4YXM): Bob K4YXM reminded the board that the minutes are a brief summary of what was discussed or presented, not a transcript. If someone requires additional information they should make direct contact with the individual making the report.
6. Directors/Committee reports:
 - a. Immediate Past President (C.J. NC4CJ): No report.
 - b. Director at large (Bill AK4BL): No report.
 - c. Director at large Raymond (KK4OOQ): Raymond (KK4OOQ) reported what happened at the cancelled January meeting. There were approximately 15 people in attendance. They broke into small groups and had sort of a free form meeting. The idea of having a "free form" or programmed meeting was discussed.
 - d. Education Director (Murray K4MHM): There are two additional instructors (for Technician Class) getting "up to speed". Once they are available, Mike will concentrate on General Class and Amateur Extra Class classes. A schedule for 2015 is being developed. Murray is looking for someone to take over the New Ham Group.
 - e. Public Service Director (John AI4RT): Report via e-mail states the only scheduled event is Odyssey of The Mind.

- f. Public Information Officer Charles (KM4AMT): Work on a stamp is being finalized. He is working on a QRC code and special URL for the brochure. Charles is working with Hank as necessary. Given the work Hank is doing to work out web site programming, Charles has temporarily halted further web page work.
- g. ARRL Liaison (Chuck K4HF): Chuck stated that due to the success of the 2014 contests, the ARRL is considering additional contests for 2015.
- h. ARRL NC Section Manager (Karl W4CHX): The current ARRL Roanoke Division Director is retiring and has resigned from his position. Look for a replacement to be named within a day or so. Karl suggested that we should consider having Charles (KM4AMT) register as a PIO for the ARRL NC Section.
- i. BSA Coordinator (Charles KM4AMT): Charles and Murray are continuing to participate in the local BSA Council's S.T.E.M. Committee. The next committee meeting is middle of February. Murray is keeping the amateur radio clubs in the area aware of what we are doing and giving them a chance to participate. Bob K4YXM reported that he is reviewing with his daughter, who is science coordinator for a school, the fourth and fifth grade work on electricity and magnetism to see if we can build a presentation around this so RARS can help with schools on science day.
- j. Repeater Chair (Karl W4CHX): Karl reported that the Bayleaf 444.425 repeater is ready to be installed and made operational. Work on the 145.130 repeater is finished and by mid-March will be moved to the RTP site. Work will then begin on the "64" machine. Danny has the cross link radios.
- k. Food Service Chair (Joanne AK4RJ). Joanne reported that she is receiving enough money each meeting to continue the service.
- l. Webmaster (Hank K4HM): Hank is working to resolve problems that occurred with the move to the new hosting site.
- m. Exciter (Tom N4TL): Tom has new S/W for producing the Exciter that will produce pdf encoded documents.
- n. RARSFest Chair (John AI4RT): Next planning meeting is Monday Jan 26th. Bill AK4BL has volunteered to shadow John during this year's meetings and learn the job. Charles KM4AMT has volunteered to work with John to document a "how to" guide for future chairs, as well as document the timeline of events leading up to and following the event.
- o. Field day chair (Dennis): No Report.
- p. NCQP (Marty W4MY): Marty is touring various clubs to promote the NCQP. The NC4QP station will be activated this year. There are a series of You Tube videos one can link from the RARS web site promoting NCQP.
- q. Trustee W4DW, W4RNC and N4RAL (Jeff): No report.
- r. Net Manager (Mary KG4OQA): No report.

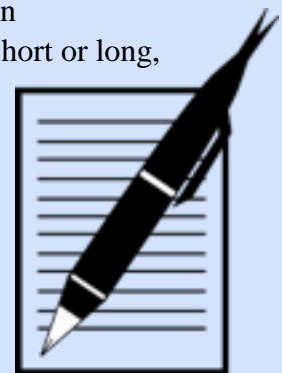
7. Old business: None.
 - a. Antennas and new Unified Development Ordinance (UDO). Karl reported that the City of Raleigh Planning Department is working on an amendment to the new UDO regarding the accommodation of amateur radio antennas.
 - b. Updates to RARS-L e-mail list: Bob will research past Board minutes to see what was decided regarding dropping non-renewing members from the RARS-L and Exciter e-mail lists. Bob will report the board action taken on setting practices this past fall.
 - c. Maker Faire: Bill and Karl have not received any word if the Maker Faire will be held this year.
8. New business:
 - a. RARSalert: How we communicate with members regarding cancelled meetings. The consensus was that emails and announcements on the repeater, though not perfect, was the best practice to continue. Murray will gather more information and propose a procedure.
 - b. Bylaws issues. Murray discussed several by law issues that the club need to address.
 - c. The March member meeting will include the club awards – Chuck will handle this
9. Adjournment (Murray K4MNM): The meeting was adjourned at 9:07 pm.

Respectfully submitted,
Robert Chew, K4YXM

Want to be a Published Writer?

Do you like building ham radio equipment? Have figured out a way to get an antenna up in a neighborhood with covenants and restrictions? Did you participate in a marathon or bike-a-thon? How about sharing your interests, knowledge, and experience with other hams in the *Exciter*? We need both technical and non-technical articles for the *Exciter*. Short or long, we'll consider just about anything amateur radio-related.

To submit an article, just email your piece to the Editor (editor@rars.org). Please feel free to attach any appropriate pictures or graphics. Be sure to include caption information about the images and identify the people in photographs. And always obtain their permission to use their image.



Minutes

General Membership Meeting Raleigh Amateur Radio Society February 10, 2015

1. Call to order: Murray K4MHM called the meeting to order at 7:31 PM. There were 64 people in attendance which constituted a quorum.
2. Approval of minutes. The minutes of the general membership meetings of December 9, 2014 were approved as presented.
3. Introduction of new members and guests. Murray K4MHM introduced new members and guests. There were five guests and two new members.
4. Health and Welfare: Murray note WI4OTO Ken's wife is again ill. Our thoughts are with them.
5. President's Remarks: Murray reported on the responses he got when asking former RARS members why they didn't renew. The most prominent response revolved about the fact they didn't feel welcomed at club meetings as a new member. He implored all to address this.
6. Secretary's report (Bob K4YXM) no report
7. Treasurer's report (Greg KE4PAX): RARS currently has 343 members. We are currently the largest club in N.C. If anyone has any questions regarding assets and liabilities, please contact Greg KE4PAX or Murray K4MHM for additional information.
8. Reports and announcements from RARS Board members and others:
 - a. Public Service: No report.
 - b. Education: Murray announced that a schedule of courses is now available on the web site.
 - c. ARRL Liaison: Chuck K4HF noted that RARSFest will be the NC convention. Ed W1RFI, ARRL HQ, will be making a presentation at RARSFest.
 - d. NC QSO party: Marty noted that NCQP is scheduled for March 1st. He noted that W3DW will be a bonus station. Also, N4RAL will be active.
 - e. Repeaters: Karl W4CHX noted that Danny Hampton has the 444.525 repeater ready to install at Bayleaf site. Plans are in place to get the 145.130 repeater ready to install.
 - f. ARRL NC Section Chief: Karl W4CHX presented David KF4VXJ a certificate and thanked him for his work in providing data for ARRL propagation reports
9. Gift Raffle: Winners were Dave K4SAN and Sam KA4APE
10. Program: "How Antennas Radiate" by Dan Stancil, WY3O.
11. Adjournment: The meeting was adjourned at approximately 8:58 PM. Murray asked all new members to come to the front of the room so all could greet them personally.

Respectfully Submitted,
Robert Chew, K4YXM

LOCAL AMATEUR RADIO NETS

The **Apex Emergency Response Communications Net** meets weekly each Sunday at 9 p.m. on the 146.640 repeater. The purpose of the net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet. The Apex ERC Net provides amateur radio emergency communications for The Church of Jesus Christ of Latter-Day Saints' disaster relief efforts. All stations are invited to participate in this net.

Please join us on the **Carolina 440 Net** every Monday night at 7:30 p.m. This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Coastal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit www.carolina440.net.

Please join us each Tuesday at 9:15 p.m. on the 146.880 repeater for the **Central Carolina SKYWARN** net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at www.centralcarolinaskywarn.net.

The **Ham Public Service Net** meets every Wednesday at 7:30 p.m. and provides a forum and discussion platform for area clubs and individual hams to connect with and learn from other local hams who are interested in Ham Public Service. The HPSN is utilizing the Carolina 440 UHF Link System. The repeaters are also accessible through IRLP Reflector 9210, node 4270. The Ham Public Service North Carolina Yahoo Groups address is: www.groups.yahoo.com/group/hpsnc.

The **PCTN (Piedmont Costal Traffic Net)** meets daily at 9 p.m. on the 146.880 repeater. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check in and participate. The backup repeater is the 147.105 (PL tone 82.5).

The **RARS Technical & Trader's Net** is held on Saturday evenings on the 146.640 repeater at 8:00 p.m.

Join us every evening, except Saturdays, at 8 p.m. on the 146.640 repeater for the **RARS Two-Meter Net**. You can give a ragchew, check in and out (this counts for our total numbers reported to the ARRL!), make announcements, and pass traffic. We also offer National Traffic System traffic training. All licensed stations are welcome to participate in the net as often as they can. This net is also a great way to learn about amateur radio if you are newly licensed!

The **VOIP Hurricane Net** is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to www.voipwx.net.

The **Wake County AUXCOMM Training Net** meets Thursdays at 8:15 p.m. on the 146.88 repeater. This net provides amateur radio operators information and training related to emergency communications and for our served agencies, such as Wake County Emergency Management. Please join us. For more information please visit <http://wake.nc.auxcomm.us/>.

RARS Classifieds

RARS Members: [Post](#) a new 30 day listing or [Edit](#) your current listings at www.rars.org/classifieds.php.



RARSfest NEEDS YOU

Volunteers are needed in one or more of the following areas: Security, Admissions, Setup, Social, Flea Market, Stage/Talk-in, Teardown, Project Table, or RARS Member Sales Tables.

Descriptions for each of these areas and links to schedule your time are on-line at:

<http://www.rars.org/rarsfest/helpwanted.html>

**43rd Annual RARSFest
and
ARRL NC State Convention
8AM – 3:30PM
Saturday, April 4, 2015**